DECLARATION FOR UNITED STATES PATENT APPLICATION, POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ELECTRIC POWER NETWORK, the

specification of which				
[] is attached hereto. [] was filed in the United States Pat	ent and Trademark Office on	, and given A	application Number	
	was filed under the Patent Cooperation Treaty on 22 December 2004, and given Application No. PCT/SE2004/002003 , the United States of America having been designated.			
I hereby state that I have reincluding the claims, as amended by ar	eviewed and understand the sy amendment referred to above		ntified specification,	
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).				
I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.				
Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed	
0303574-8	Sweden	23 December 2003	Yes	
I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.				

U.S. Provisional Application Number	Filing Date	

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Patent Application No.	PCT Patent Application No.	Patent Filing Date	Parent Patent No.

I hereby appoint the registered attorneys and agents of VENABLE LLP associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

U.S. PATENT AND TRADEMARK OFFICE

VENABLE LLP is located at 575 7th Street, NW, Washington, DC 20004-1601, Telephone: (202) 344-4000, Telefax: (202) 344-8300. Address all correspondence to VENABLE LLP, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: Haus C. Clus	_ Date: 2/4 _ 2007
First/Joint Inventor: Hans Christian CHRISTENSEN	
Citizenship: Denmark	
Residence and Post Office Address: Sporemagervej 2, DK-2400 COPE	NHAGEN, Denmark
Fordresgaardvej 25	
Signature:	Date:
First/Joint Inventor: Lars GERTMAR	
Citizenship: Sweden	
Residence and Post Office Address: Humlegatan 6, S-SE-722 26 VÄST	ERÅS, Sweden
	.
Signature:	Date:
First/Joint Inventor: Sture LINDAHL	
Citizenship: Sweden	rnm a
Residence and Post Office Address: Gässlingavägen 5B, S-SE-227 35 I	LUND, Sweden
Signature:	Date:
First/Joint Inventor: Juhani MANTERE	Duo.
Citizenship: Finland	
Residence and Post Office Address: Nurmitie 3, FIN-SF-04300 TUUSU	JLA, Finland
Signature: Erik KOLDBY NIELSEN	Date: 28/3 - 2007
First/Joint Inventor: Erik KOLDBY NIELSHN	
Citizenship: Denmark	
Residence and Post Office Address: Dyrupgaardvaenget 6, DK-5250 O	DENSE, Denmark
Signature: Lef- Cite Maace	_ Date: 28/3-2007
First/Joint Inventor: Leif-Erik WRAAE	
Citizenship: Denmark	
Residence and Post Office Address: Prosselvaenget 17, DK-5690 TOM	IMERUP, Denmark
TO TO THE PROPERTY OF THE PROP	

Attorney Docket: 43315-232755

DECLARATION FOR UNITED STATES PATENT APPLICATION, POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled <u>ELECTRIC POWER NETWORK</u>, the specification of which

	is attached hereto. was filed in the United States Patent and Trademark Office on, and given Application Number
(X)	was filed under the Patent Cooperation Treaty on 22 December 2004, and given Application No. PCT/SE2004/002003, the United States of America having been designated.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed
0303574-8	Sweden	23 December 2003	Yes

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U.S. Provisional Application Number	Filing Date	

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U.S. Patent Application No.	PCT Patent Application No.	Patent Filing Date	Parent Patent No.

I hereby appoint the registered attorneys and agents of VENABLE LLP associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

26694

U.S. PATENT AND TRADEMARK OFFICE

VENABLE LLP is located at 575 7th Street, NW, Washington, DC 20004-1601, <u>Telephone</u>: (202) 344-4000, <u>Telefax</u>: (202) 344-8300. <u>Address all correspondence to VENABLE LLP</u>, Post Office Box 34385, Washington, D.C. 20043-9998.

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Number
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I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date	

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U.S. Patent Application No.	PCT Patent Application No.	Patent Filing Date	Parent Patent No.

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Signature:	Date:
First/Joint Inventor: Hans Christian CHRISTENSEN	
Citizenship: Denmark	
Residence and Post Office Address: Sporemagervej 2, DK-2400) COPENHAGEN, Denmark
Signature: First/Joint Inventor: Lars GERTMAR	Date:
Citizenship: Sweden	
Residence and Post Office Address: Humlegatan 6, S-SE-722 2	6 VASTERAS, Sweden
Signature:	Date:
First/Joint Inventor: Sture LINDAHL	
Citizenship: Sweden	
Residence and Post Office Address: Gässlingavägen 5B, S-SE-	227 35 LUND, Sweden
Signature: Man Mander First/Joint Inventor: Juhani MANTERE Citizenskin: Finked	Date: 2007 - 03-26
First/Joint Inventor: Juhani MANTERE	
Ciuzeramp. I'manini	
Residence and Post Office Address: Nurmitie 3, FIN-SF-04300	TUUSULA, Finland
Signature:	Date:
First/Joint Inventor: Erik KOLDBY NIELSEN	
Citizenship: Denmark	
Residence and Post Office Address: Dyrupgaardvaenget 6, DK	-5250 ODENSE, Denmark
Signature:	Date:
First/Joint Inventor: Leif-Erik WRAAE	<i>Dew.</i>
Citizenship: Desmark	
Residence and Post Office Address: Krosselvaenget 17, DK-56	90 TOMMERUP, Denmark
INCREASE WAS I OUT CITIES LINES OF THE CONTRACT OF TAILOUS AND THE TOTAL OUT THE TAILOUS AND T	-

Attorney Docket: 43315-232755

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hans Christian CHRISTENSEN, Sporemagervej 2, DK-2400 COPENHAGEN, Denmark; Lars GERTMAR, Humlegatan 6, S-SE-722 26 VÄSTERÅS, Sweden; Sture LINDAHL, Gässlingavägen 5B, S-SE-227 35 LUND, Sweden; Juhani MANTERE, Nurmitie 3, FIN-SF-04300 TUUSULA, Finland; Erik KOLDBY NIELSEN, Dyrupgaardvaenget 6, DK-5250 ODENSE, Denmark; and Leif-Erik WRAAE, Krosselvaenget 17, DK-5690 TOMMERUP, Denmark, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to ELECTRIC POWER NETWORK for which said assignor has caused an application for United States Letter Patent to be prepared,

improvements relating t for United States Letter	o ELECTRIC POWER NETWORK for which said assignor has caused an application Patent to be prepared.
	ration for said application being executed concurrently with the execution of this
	be filed in the United States Patent and Trademark Office;
[] said Non-Provision	nal application having been filed in the United States Patent and Trademark Office on iven Application Number;
[X] said application hav	ring been filed under the Patent Cooperation Treaty on 22 December 2004, and given T/SE2004/002003, the United States of America having been designated.
AND WHEREAS	ABB RESEARCH LTD. Affolternstrasse 52 CH-8050 Zürich Switzerland
application, including a	s the assignees is desirous of acquiring the entire right, title and interest in and to said ny divisions and continuations thereof, and in and to said invention and any patents herefor, including any renewals, reissues and prolongations thereof;
consideration paid by so hereby assigns, sells an exclusive right, title and continuations thereof, a	ETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable aid assignee to said assigner, the receipt of which is hereby acknowledged, said assigned transfers to said assignee, and said assignee's successors and assigns, the entire and interest in and to said invention and to said application, including any divisions and and in any patents which may be granted therefor, including any renewals, reissues an aid assignee, and said assignee's successors and assigns, to have, hold, exercise and

consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any such patents when granted, including any renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any acts relating to the obtaining or to the asserting of said patents, including any renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, t	his incs day of April, 2, 2006
Signature:	Haus C. Clar
Name:	Hans Christian CHRISTENSEN
Address:	Sporemagervej-2, DK-2400 COPENHAGEN, Denmar
	Fordresgaard vej 25
EXECUTED, t	his, 2006
Signature:	
Name:	Lars GERTMAR
Address:	Humlegatan 6 S-SE-722 26 VÄSTER ÅS Sweden

Attorney Docket: <u>43315-232755</u> <u>9574US/JS/FB</u>

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hans Christian CHRISTENSEN, Sporemagervej 2, DK-2400 COPENHAGEN, Denmark; Lars GERTMAR, Humlegatan 6, S-SE-722 26 VÄSTERÅS, Sweden; Sture LINDAHL, Gässlingavägen 5B, S-SE-227 35 LUND, Sweden; Juhani MANTERE, Nurmitie 3, FIN-SF-04300 TUUSULA, Finland; Erik KOLDBY NIELSEN, Dyrupgaardvaenget 6, DK-5250 ODENSE, Denmark; and Leif-Erik WRAAE, Krosselvaenget 17, DK-5690 TOMMERUP, Denmark, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to ELECTRIC POWER NETWORK for which said assignor has caused an application for United States Letter Patent to be prepared,

for United States L	etter Patent to be prepared,
instrument; [] said applicatio [] said Non-Prov	declaration for said application being executed concurrently with the execution of this in to be filed in the United States Patent and Trademark Office; isional application having been filed in the United States Patent and Trademark Office on indigiven Application Number; having been filed under the Patent Cooperation Treaty on 22 December 2004, and given
Application No	o. PCT/SE2004/002003, the United States of America having been designated.
AND WHEREAS	ABB RESEARCH LTD. Affoltemstrasse 52 CH-8050 Zürich Switzerland
application, includi	to as the assignees is desirous of acquiring the entire right, title and interest in and to said ng any divisions and continuations thereof, and in and to said invention and any patents ted therefor, including any renewals, reissues and prolongations thereof;
consideration paid thereby assigns, sell exclusive right, title continuations there prolongations there enjoy the said inversively be grant powers, privileges a terms of any such pand benefit of said and benefit of said	ESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable by said assignee to said assigner, the receipt of which is hereby acknowledged, said assignor and transfers to said assignee, and said assignee's successors and assigns, the entire and and interest in and to said invention and to said application, including any divisions and of, and in any patents which may be granted therefor, including any renewals, reissues and of; said assignee, and said assignee's successors and assigns, to have, hold, exercise and attion and said application, including any divisions and continuations thereof, and any patents ted therefor, including any renewals, reissues and prolongations thereof, with all the rights, and advantages in anywise arising from or appertaining thereto, for and during the term or atents when granted, including any renewals, reissues and prolongations thereof, for the use assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as ight or could have held and enjoyed the same, if this assignment had not been made.
	hereby agrees to perform, upon the request of said assignee, or said assignee's successors or lating to the obtaining or to the asserting of said patents, including any renewals, reissues hereof.
on said application,	authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent and on any divisions and continuations thereof, to said assignee, and said assignee's gns, in accordance herewith.
EXECUTED, this _	day of, 2006
	lans Christian CHRISTENSEN poremagervej 2, DK-2400 COPENHAGEN, Denmark
	N

EXECUTED, this // day of // day _____, 2007

Signature: XAC Lars GERTMAR

Address: Humlegatan 6, S-SE-722 26 VASTERAS, Sweden

EXECUTED, this	27thday of March	
Signature: Name: Address:	Sture LINDAHL Gässlingavägen 5B, S-SE-227 35	
EXECUTED, this	s day of,	2006
Signature:		
	Juhani MANTERE Nurmitie 3, FIN-SF-04300 TUU:	SULA, Finland
EXECUTED, this	s day of,	2006
Signature:		
Name:	Erik KOLDBY NIELSEN	
Address:	Dyrupgaardvaenget 6, DK-5250	ODENSE, Denmark
EXECUTED, thi	s day of,	2006
Signature:		
Name:	Leif-Erik WRAAE	
Address:	Krosselvaenget 17, DK-5690 TOMMERUP, Denmark	

EXECUTED, this	3 day of, 2006
Signature:	
	Sture LINDAHL
Address:	Gässlingavägen 5B, S-SE-227 35 LUND, Sweden
EXECUTED, this	Juhani MANTERE
.	Autien Mantero
Signature:	manuel onace
Name:	Juhmi MANTERE
Address:	Nurmitie 3, FIN-SF-04300 TUUSULA, Finland
EXECUTED, this	s day of, 2006
Signature:	
	Erik KOLDBY NIELSEN
Address:	Dyrupgaardvaenget 6, DK-5250 ODENSE, Denmark
EXECUTED, thi	s day of, 2006
Signature:	
Name:	Leif-Erik WRAAE
Address'	Krosselvaenget 17, DK-5690 TOMMERUP, Denmark

EXECUTED, this	s, 2006
Signature:	
Name:	Sture LINDAHL
Address:	Gässlingavägen 5B, S-SE-227 35 LUND, Sweden
EXECUTED, this	s day of, 2006
Signature:	
Name:	Juhani MANTERE
Address:	Nurmitie 3, FIN-SF-04300 TUUSULA, Finland
EXECUTED, this	Wodenday of March, 28, 2006 Eith Koldhy
Signature:	Eich Woldhy
Name:	Erik KOLDBY NIELSEN O
Address:	Dyrupgaardvaenget 6, DK-5250 ODENSE, Denmark
EXECUTED, this	s Www.day of March 28, 2006
Signature:	Last- Ente Mbane
Name:	Leif-Erik WRAAE
Address:	Prosselvaenget 17, DK-5690 TOMMERUP, Denmark